AGILENT TECHNOLOGIES, INC.

Legal Department, M/S DL429 Intellectual Property Administration P. O. Box 7599 Loveland, CO 80537-0599

PATENT APPLICATION ATTORNEY DOCKET NO. 10004016-1

RESPONSE/AMENDMENT dated December 15, 2006

OFFICIAL

Appl. No. : 10/027,751 Confirmation No. 3808

Applicant : Joel P. Dunsmore et al.

Filed : Dec. 21, 2001 TC/AU : 2800/2863 Examiner : Aditya S. Bhat

Docket No. : 10004016-1 Customer No. : 022878

Title : Test System Dynamic Range

Extension Through Compression

Compensation

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

RESPONSE/AMENDMENT

Sir:

In response to an Office Action of November 17, 2006, please amend the aboveidentified application as follows.

Amendments to the Claims are reflected in a listing of claims that begins on page 2 of this paper.

Remarks/Arguments begin on page 10 of this paper.

A Certificate of Mailing or Transmission is provided on the last page of this document and applies to this document and any attachments thereto.